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DECLARATION, POWER OF ATTORNEY, AND PETITION

To The Commissioner of Patents and Trademarks:

I, Joel L. Martin, declare:

that I am a citizen of the United States of America residing at 636 SE Kenwood Drive, Bartlesville, Oklahoma 74006 and having a post office address of 636 SE Kenwood Drive, Bartlesville, Oklahoma 74006;

that I have reviewed and understand the contents of the attached specification and claims and I verily believe I, Joseph J. Bergmeister, Eric T. Hsieh, Max P. McDaniel, Elizabeth A. Benham and Steven J. Secora are the original, first, and joint inventors or discoverers of the invention or discovery in **OLEFIN POLYMERIZATION PROCESSES AND PRODUCTS THEREOF** described and claimed therein and for which a patent is sought;

I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37 Code of Federal Regulations § 1.56;

and I hereby appoint Edward L. Bowman, Registration No. 27,116; Carl D. Corvin, Registration No. 34,569; Ryan N. Cross, Registration No. 33,861; Beverly M. Dollar, Registration No. 32,870; John M. Fish, Jr., Registration No. 25,863; Gary L. Haag, Registration No. 35,529; Bion E. Hitchcock, Registration No. 26,613; Lynda S. Jolly, Registration No. 32,736; Allen W. Richmond, Registration No. 28,662; Lucas K. Shay, Registration No. 34,724; and Charles W. Stewart, Registration No. 34,023; who comprise the firm of **Richmond, Hitchcock, Fish & Dollar, P. O. Box 2443, Bartlesville, Oklahoma, 74005**, Registration No. 20,286; and Archie W. Umphlett, Registration No. 25,935, each attorney a member of the Bar of the State of Oklahoma or the District of Columbia; my representatives with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

Wherefore I pray that Letters Patent be granted to Phillips Petroleum Company, a corporation organized and existing under the laws of the State of Delaware and domiciled and having an office at Bartlesville, Oklahoma, as assignee, for the invention or discovery described and claimed in the foregoing specification and claims, and I hereby subscribe my name to the foregoing specification and claims, declaration, power of attorney and this petition.

Correspondence Address:

c/o **RICHMOND, HITCHCOCK,
FISH & DOLLAR
P.O. Box 2443
Bartlesville, Oklahoma 74005**

Inventor

Joel L. Martin
Joel L. Martin

Date Oct. 29, 1997

DECLARATION, POWER OF ATTORNEY, AND PETITION

To The Commissioner of Patents and Trademarks:

I, Joseph J. Bergmeister, declare:

that I am a citizen of the United States of America residing at 1024 Grandview Road, Bartlesville, Oklahoma 74006 and having a post office address of 1024 Grandview Road, Bartlesville, Oklahoma 74006;

that I have reviewed and understand the contents of the attached specification and claims and I verily believe I, Joel L. Martin, Eric T. Hsieh, Max P. McDaniel, Elizabeth A. Benham and Steven J. Secora are the original, first, and joint inventors or discoverers of the invention or discovery in **OLEFIN POLYMERIZATION PROCESSES AND PRODUCTS THEREOF** described and claimed therein and for which a patent is sought;

I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37 Code of Federal Regulations § 1.56;

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Correspondence Address:
c/o **RICHMOND, HITCHCOCK,
FISH & DOLLAR
P.O. Box 2443
Bartlesville, Oklahoma 74005**

Inventor Joseph J. Bergmeister
Joseph J. Bergmeister

Date 11 NOV 1997

DECLARATION, POWER OF ATTORNEY, AND PETITION

To The Commissioner of Patents and Trademarks:

I, Eric T. Hsieh, declare:

that I am a citizen of the United States of America residing at RR 2 Box 1330, Bartlesville, Oklahoma 74003 and having a post office address of RR 2 Box 1330, Bartlesville, Oklahoma 74003;

that I have reviewed and understand the contents of the attached specification and claims and I verily believe I, Joel L. Martin, Joseph J. Bergmeister, Max P. McDaniel, Elizabeth A. Benham and Steven J. Secora are the original, first, and joint inventors or discoverers of the invention or discovery in **OLEFIN POLYMERIZATION PROCESSES AND PRODUCTS THEREOF** described and claimed therein and for which a patent is sought;

I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37 Code of Federal Regulations § 1.56;

and I hereby appoint Edward L. Bowman, Registration No. 27,116; Carl D. Corvin, Registration No. 34,569; Ryan N. Cross, Registration No. 33,861; Beverly M. Dollar, Registration No. 32,870; John M. Fish, Jr., Registration No. 25,863; Gary L. Haag, Registration No. 35,529; Bion E. Hitchcock, Registration No. 26,613; Lynda S. Jolly, Registration No. 32,736; Allen W. Richmond, Registration No. 28,662; Lucas K. Shay, Registration No. 34,724; and Charles W. Stewart, Registration No. 34,023; who comprise the firm of **Richmond, Hitchcock, Fish & Dollar, P. O. Box 2443, Bartlesville, Oklahoma, 74005**, Registration No. 20,286; and Archie W. Umphlett, Registration No. 25,935, each attorney a member of the Bar of the State of Oklahoma or the District of Columbia; my representatives with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.


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Correspondence Address:

c/o **RICHMOND, HITCHCOCK,
FISH & DOLLAR
P.O. Box 2443
Bartlesville, Oklahoma 74005**

Inventor



Eric T. Hsieh

Date

October 21, 1997

DECLARATION, POWER OF ATTORNEY, AND PETITION

To The Commissioner of Patents and Trademarks:

I, Max P. McDaniel, declare:

that I am a citizen of the United States of America residing at 1601 Melmart Drive, Bartlesville, Oklahoma 74006 and having a post office address of 1601 Melmart Drive, Bartlesville, Oklahoma 74006;

that I have reviewed and understand the contents of the attached specification and claims and I verily believe I, Joel L. Martin, Joseph J. Bergmeister, Eric T. Hsieh, Elizabeth A. Benham and Steven J. Secora are the original, first, and joint inventors or discoverers of the invention or discovery in **OLEFIN POLYMERIZATION PROCESSES AND PRODUCTS THEREOF** described and claimed therein and for which a patent is sought;

I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37 Code of Federal Regulations § 1.56;

and I hereby appoint Edward L. Bowman, Registration No. 27,116; Carl D. Corvin, Registration No. 34,569; Ryan N. Cross, Registration No. 33,861; Beverly M. Dollar, Registration No. 32,870; John M. Fish, Jr., Registration No. 25,863; Gary L. Haag, Registration No. 35,529; Bion E. Hitchcock, Registration No. 26,613; Lynda S. Jolly, Registration No. 32,736; Allen W. Richmond, Registration No. 28,662; Lucas K. Shay, Registration No. 34,724; and Charles W. Stewart, Registration No. 34,023; who comprise the firm of **Richmond, Hitchcock, Fish & Dollar, P. O. Box 2443, Bartlesville, Oklahoma, 74005**, Registration No. 20,286; and Archie W. Umphlett, Registration No. 25,935, each attorney a member of the Bar of the State of Oklahoma or the District of Columbia; my representatives with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

Wherefore I pray that Letters Patent be granted to Phillips Petroleum Company, a corporation organized and existing under the laws of the State of Delaware and domiciled and having an office at Bartlesville, Oklahoma, as assignee, for the invention or discovery described and claimed in the foregoing specification and claims, and I hereby subscribe my name to the foregoing specification and claims, declaration, power of attorney and this petition.

Correspondence Address:

c/o **RICHMOND, HITCHCOCK,
FISH & DOLLAR
P.O. Box 2443
Bartlesville, Oklahoma 74005**

Inventor

Max P. McDaniel

Max P. McDaniel

Date

Oct 29 1997

DECLARATION, POWER OF ATTORNEY, AND PETITION

To The Commissioner of Patents and Trademarks:

I, Elizabeth A. Benham, declare:

that I am a citizen of the United States of America residing at 431 Shannon, Bartlesville, Oklahoma 74006 and having a post office address of 431 Shannon, Bartlesville, Oklahoma 74006;

that I have reviewed and understand the contents of the attached specification and claims and I verily believe I, Joel L. Martin, Joseph J. Bergmeister, Eric T. Hsieh, Max P. McDaniel and Steven J. Secora are the original, first, and joint inventors or discoverers of the invention or discovery in **OLEFIN POLYMERIZATION PROCESSES AND PRODUCTS THEREOF** described and claimed therein and for which a patent is sought;

I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37 Code of Federal Regulations § 1.56;

and I hereby appoint Edward L. Bowman, Registration No. 27,116; Carl D. Corvin, Registration No. 34,569; Ryan N. Cross, Registration No. 33,861; Beverly M. Dollar, Registration No. 32,870; John M. Fish, Jr., Registration No. 25,863; Gary L. Haag, Registration No. 35,529; Bion E. Hitchcock, Registration No. 26,613; Lynda S. Jolly, Registration No. 32,736; Allen W. Richmond, Registration No. 28,662; Lucas K. Shay, Registration No. 34,724; and Charles W. Stewart, Registration No. 34,023; who comprise the firm of **Richmond, Hitchcock, Fish & Dollar, P. O. Box 2443, Bartlesville, Oklahoma, 74005**, Registration No. 20,286; and Archie W. Umphlett, Registration No. 25,935, each attorney a member of the Bar of the State of Oklahoma or the District of Columbia; my representatives with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

Wherefore I pray that Letters Patent be granted to Phillips Petroleum Company, a corporation organized and existing under the laws of the State of Delaware and domiciled and having an office at Bartlesville, Oklahoma, as assignee, for the invention or discovery described and claimed in the foregoing specification and claims, and I hereby subscribe my name to the foregoing specification and claims, declaration, power of attorney and this petition.

Correspondence Address:

c/o **RICHMOND, HITCHCOCK,
FISH & DOLLAR
P.O. Box 2443
Bartlesville, Oklahoma 74005**

Inventor

Elizabeth A. Benham
Elizabeth A. Benham

Date

Oct 29 1997

DECLARATION, POWER OF ATTORNEY, AND PETITION

To The Commissioner of Patents and Trademarks:

I, Steven J. Secora, declare:

that I am a citizen of the United States of America residing at 5932 Martin Lane Bartlesville, Oklahoma 74006 and having a post office address of 5932 Martin Lane, Bartlesville, Oklahoma 74006;

that I have reviewed and understand the contents of the attached specification and claims and I verily believe I, Joel L. Martin, Joseph J. Bergmeister, Eric T. Hsieh, Max P. McDaniel and Elizabeth A. Benham are the original, first, and joint inventors or discoverers of the invention or discovery in **OLEFIN POLYMERIZATION PROCESSES AND PRODUCTS THEREOF** described and claimed therein and for which a patent is sought;

I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37 Code of Federal Regulations § 1.56;

and I hereby appoint Edward L. Bowman, Registration No. 27,116; Carl D. Corvin, Registration No. 34,569; Ryan N. Cross, Registration No. 33,861; Beverly M. Dollar, Registration No. 32,870; John M. Fish, Jr., Registration No. 25,863; Gary L. Haag, Registration No. 35,529; Bion E. Hitchcock, Registration No. 26,613; Lynda S. Jolly, Registration No. 32,736; Allen W. Richmond, Registration No. 28,662; Lucas K. Shay, Registration No. 34,724; and Charles W. Stewart, Registration No. 34,023; who comprise the firm of **Richmond, Hitchcock, Fish & Dollar, P. O. Box 2443, Bartlesville, Oklahoma, 74005**, Registration No. 20,286; and Archie W. Umphlett, Registration No. 25,935, each attorney a member of the Bar of the State of Oklahoma or the District of Columbia; my representatives with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

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Correspondence Address:

c/o **RICHMOND, HITCHCOCK,
FISH & DOLLAR
P.O. Box 2443**

Inventor

Steven J. Secora
Steven J. Secora

Date *1/21/17* 1997

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Joel L. Martin, et. al.Application No./Patent No.: Unassigned Filed/Issue Date: Oct. 21, 2003Entitled: Olefin Polymerization Processes and Products Thereof
Phillips Petroleum Company, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the parent appl. no. 08/943,303 patent application/patent identified above. The assignment was recorded 2/19/98 in the United States Patent and Trademark Office at Reel 9078, Frame 0966, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Oct. 21, 2003

Date

(404) 745-2420

Telephone number

David E. Wigley, Ph.D.

Typed or printed name

David E. Wigley

Signature

Attorney for Applicant

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



6329416

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JUNE 09, 1998

PTAS
RICHMOND, HITCHCOCK, FISH, ETAL
P.O. BOX 2443
BARTLESVILLE, OKLAHOMA 74005

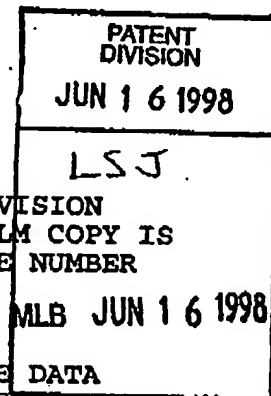


100669334A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.



RECORDATION DATE: 02/19/1998

REEL/FRAME: 9078/0996
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MARTIN, JOEL

DOC DATE: 10/29/1997

ASSIGNOR:

BERMEISTER, JOSEPH

DOC DATE: 10/31/1997

ASSIGNOR:

HSIEH, ERIC

DOC DATE: 10/31/1997

ASSIGNOR:

MCDANIEL, MAX

DOC DATE: 10/29/1997

ASSIGNOR:

BENHAM, ELIZABETH

DOC DATE: 11/17/1997

ASSIGNOR:

SECORA, STEVEN

DOC DATE: 11/17/1997

9078/0996 PAGE 2

ASSIGNEE:

PHILLIPS PETROLCUM COMPANY, A CORPORATION OF DELAWARE, HAVING A
PLACE BUSINESS AT BARTLEVILLE, IN THE COUNTRY OF WASHINGTON, IN
THE STATE OF OKLAHOMA
BARTLESVILLE, OKLAHOMA 74004

SERIAL NUMBER: 08943303

PATENT NUMBER:

FILING DATE: 10/14/1997

ISSUE DATE:

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

33583US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Joel Martin, Joseph Bergmeister, Eric Hsieh, Max McDaniel,
Elizabeth Benham and Steven Secora

Serial No.: 08/943,303

Filed: October 14, 1997

For: OLEFIN POLYMERIZATION PROCESSES AND PRODUCTS THEREOF

PATENT

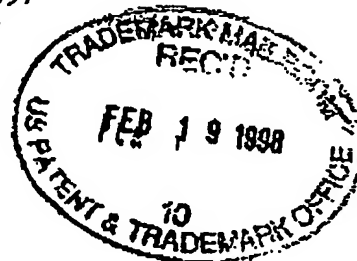
03-23-1998

TIER

Honorable Commissioner of Patents
Washington, D. C. 20231



100669334



Sir:

Please record the attached, original, executed assignment for the above-identified patent application.

1. The name(s) of the conveying party(ies):

Joel Martin, Joseph Bergmeister, Eric Hsieh, Max McDaniel, Elizabeth Benham and Steven Secora

2. The name and address of the receiving party is:

Name: Phillips Petroleum Company, a corporation of Delaware, having a place of business at Bartlesville, in the county of Washington, in the state of Oklahoma.

Address: Bartlesville, Oklahoma 74004

3. Nature of conveyance: Assignment executed on October 29, 1997 by Joel Martin, on November 1997 by Joseph Bergmeister, on October 31, 1997 by Eric Hsieh, on October 29, 1997 by Max McDaniel, on October 29, 1997 by Elizabeth Benham and on November 17, 1997 by Steven Secora.

4. The Patent Application No. is identified in the heading at the top of this page.

5. Correspondence concerning this document should be addressed to:

RICHMOND, HITCHCOCK, FISH & DOLLAR

P. O. Box 2443

Bartlesville, Oklahoma 74005

6. This document involves one (1) patent application.

7. Please charge the total fee (37 CFR 3.41) of \$40.00 to Deposit Account 16-1575.

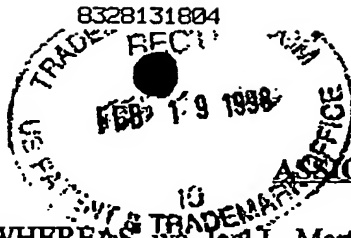
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Respectfully submitted,
RICHMOND, HITCHCOCK,
FISH & DOLLAR

By

Lynda S. Jolly

Registration No. 32,736



CASE 33583US ()

WHEREAS, we, Joel L. Martin, Joseph J. Bergmeister, Eric T. Hsieh, Max P. McDaniel, Elizabeth A. Benham and Steven J. Secora of Bartlesville, Oklahoma have made a certain invention entitled:

OLEFIN POLYMERIZATION PROCESSES AND PRODUCTS THEREOF

which is described and claimed in that application for Letters Patent of the United States having attorneys docket designation 33583US,

and WHEREAS, Phillips Petroleum Company, a corporation of Delaware, is desirous of acquiring an interest in said invention,

NOW, THEREFORE, in consideration of one dollar, receipt of which is hereby acknowledged, and other good and valuable consideration, we, Joel L. Martin, Joseph J. Bergmeister, Eric T. Hsieh and Max P. McDaniel by these presents do sell, assign, and transfer unto Phillips Petroleum Company the full and exclusive right, for the territory of the United States of America and for all foreign countries, in and to the said invention, as described in said application executed on even dates herewith, preparatory to obtaining Letters Patent of the United States therefor, said invention, application and Letters Patent to be held and enjoyed by the said Phillips Petroleum Company, for its own use and behalf, and for its legal representatives, to the full end of the term for which said patent or patents may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

AND we do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing, reissue or foreign application or applications based on the present application.

AND we do further agree to communicate to Phillips Petroleum Company, its successors, assigns or other legal representatives, such facts relating to said invention as may be known to us, and to testify as to such facts in any prosecution, interference or litigation.

Executed by the undersigned on the dates indicated.

In the presence of

<u>Joseph S. Shiverma</u> Witness	<u>Joel L. Martin</u> Joel L. Martin	<u>Oct 29, 1997</u> Date
<u>Ricky Snelling</u> Witness	<u>Joseph J. Bergmeister</u> Joseph J. Bergmeister	<u>11 NOV 1997</u> Date
<u>Randy Volley</u> Witness	<u>Eric T. Hsieh</u> Eric T. Hsieh	<u>Oct 31, 1997</u> Date
<u>Joseph S. Shiverma</u> Witness	<u>Max P. McDaniel</u> Max P. McDaniel	<u>Oct 29, 1997</u> Date
<u>Elizabeth A. Benham</u> Witness	<u>Elizabeth A. Benham</u> Elizabeth A. Benham	<u>Oct. 29, 1997</u> Date
<u>Steven J. Secora</u> Witness	<u>Steven J. Secora</u> Steven J. Secora	<u>Nov 12, 1997</u> Date

Post Office Address:

RICHMOND, HITCHCOCK, FISH & DOLLAR
P.O. Box 2443
Bartlesville, Oklahoma 74005